

N^o 12,506



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COMPLETE SPECIFICATION.

Improved Electrical Massage Apparatus.

I, THOMAS CLEMENT HODGKINSON, of 186, Goldhawk Road, Shepherd's Bush, in the County of London, Electrical Engineer, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 The invention relates to electrical massage apparatus of that type in which two metallic plates and two metallic rollers are connected to the secondary of an induction coil electrically connected to a suitable battery, whereby an alternating current of high electromotive force is produced between the metallic plates when these latter are connected by part of the body.
- 10 The object of the present invention is to produce an improved combination instrument specially suitable for treating all parts of the face and head, such instrument having metallic plates insulated from each other for massaging the cheeks or other comparatively flat portions of the face or body, a narrow extension of each of the flat plates which may be used for massaging other
- 15 parts of the face, such as under the eyes and around the nose, where the main plates cannot be used and a roller for massaging wrinkles and at the same time applying an electric current which roller is so mounted that it can rotate freely and is in direct electrical contact with the plates through the supporting arms.

The invention is illustrated in the accompanying drawings, in which Fig. 1 is a side elevation, Fig. 2 an underside view, Fig. 3 a plan and Fig. 4 a rear elevation, of an electrical massage instrument; Fig. 5 is a longitudinal section of the roller.

The instrument consists of a suitable base-plate, *a*, made of insulating material, having a casing, *b*, to enclose the induction coil and contact breaker or vibrating armature. The instrument is provided, as usual, with a commutator, *c*, whereby the intensity of the current may be varied, and with the terminals, *d*, to which the wires from an electric battery are connected. A handle or grip, *a*¹, is also provided. To the base plate *a*, are fixed the contact plates, *e*, which are separated by an insulating strip, *f*.

30 The base-plate *a* is formed at one end with a narrow extension, *a*², and the contact plates *e* are formed with narrow extensions, *e*¹, likewise insulated by the same strip of insulating material *f*. The extension *a*² and the extensions *e*¹ are rounded at their ends to enable them readily to enter those parts of the face which cannot be treated by the broader parts of the plates *e*.

35 The base-plate *a* has short arms, *a*³, and the plates *e* are each provided with an arm, *e*², at the opposite end of the instrument to that of the extensions *a*²—*e*¹, between which arms is mounted the roller. As seen in Fig. 5 this roller consists of the two metal caps, *g*, which are separated from each other by the insulating material, *f*¹. A short metal spindle, *g*¹, passes through the end of each cap *g*, with which it is in electrical contact, and such spindles, being mounted in the ends of the arms *e*², enable the roller to rotate freely when moved in contact with the forehead, temples, or other part of the face or head, and at the same time to apply the electric current with certainty.

[Price 8d.]

Hodgkinson's Improved Electrical Massage Apparatus.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. The combination with an electrical massage instrument having a base-plate and two contact plates suitably insulated from each other, of a narrow 5 extension of the base-plate carrying extensions of the contact plates, substantially as herein shown and described.

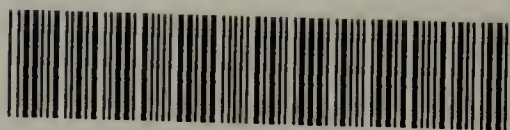
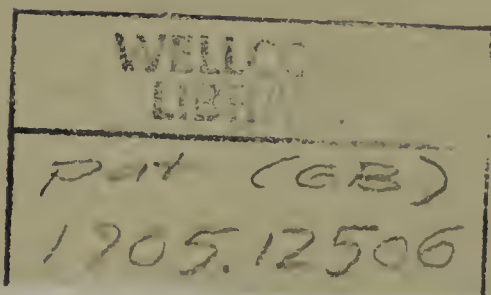
2. The combination with an electrical massage instrument as claimed in Claim 1, of an arm carried by each of the contact plates, said arms carrying a roller the metallic ends of which are in electrical contact with the arms and 10 are insulated from each other, substantially as herein shown and described.

Dated this 16th day of June, 1905.

HARRIS & MILLS,
23 Southampton Buildings, London, W.C., and
72 Queen Street, Sheffield,
Agents.

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Fig:1.

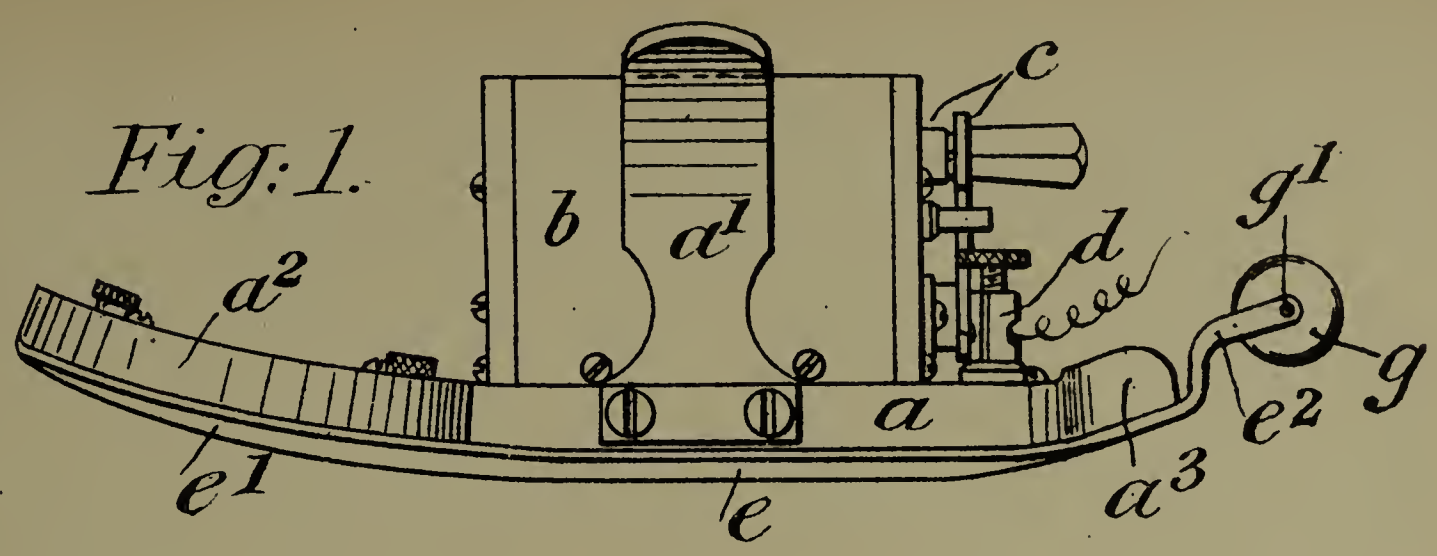


Fig:2.

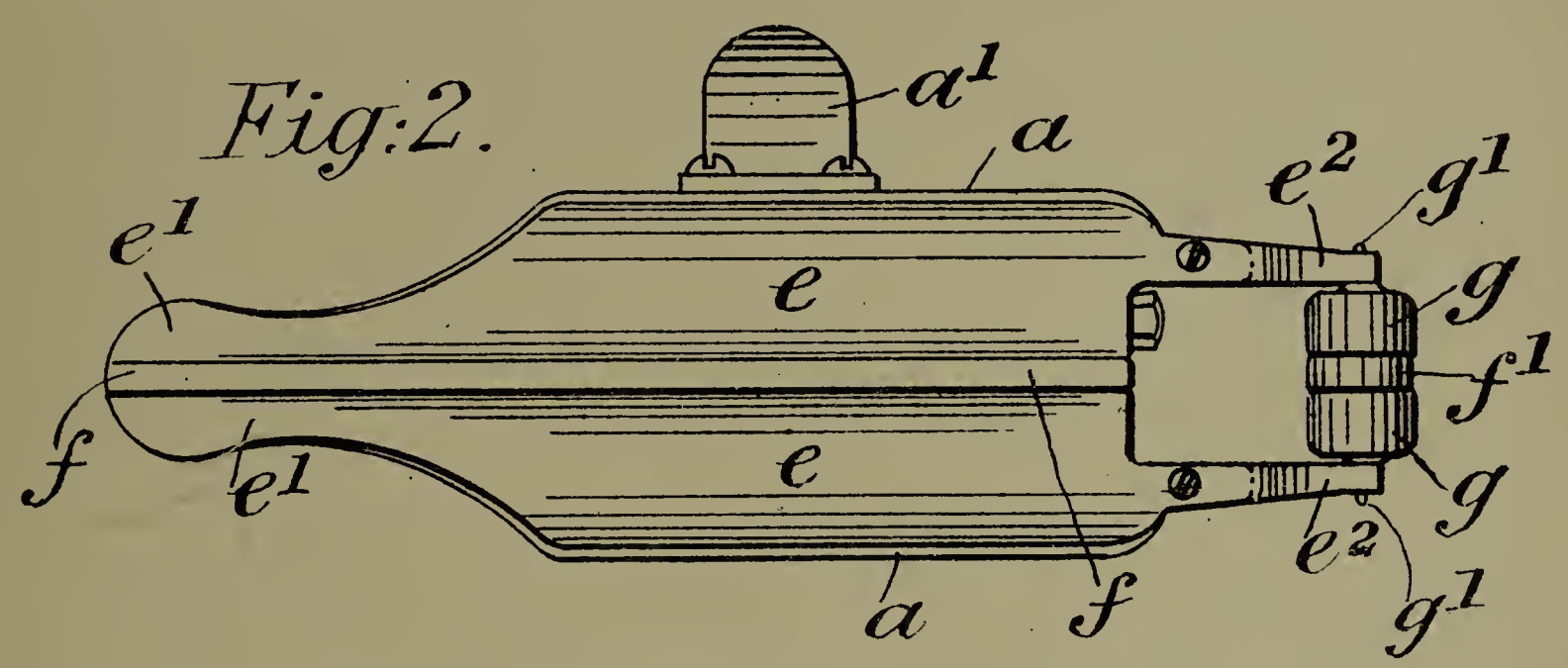


Fig:3.

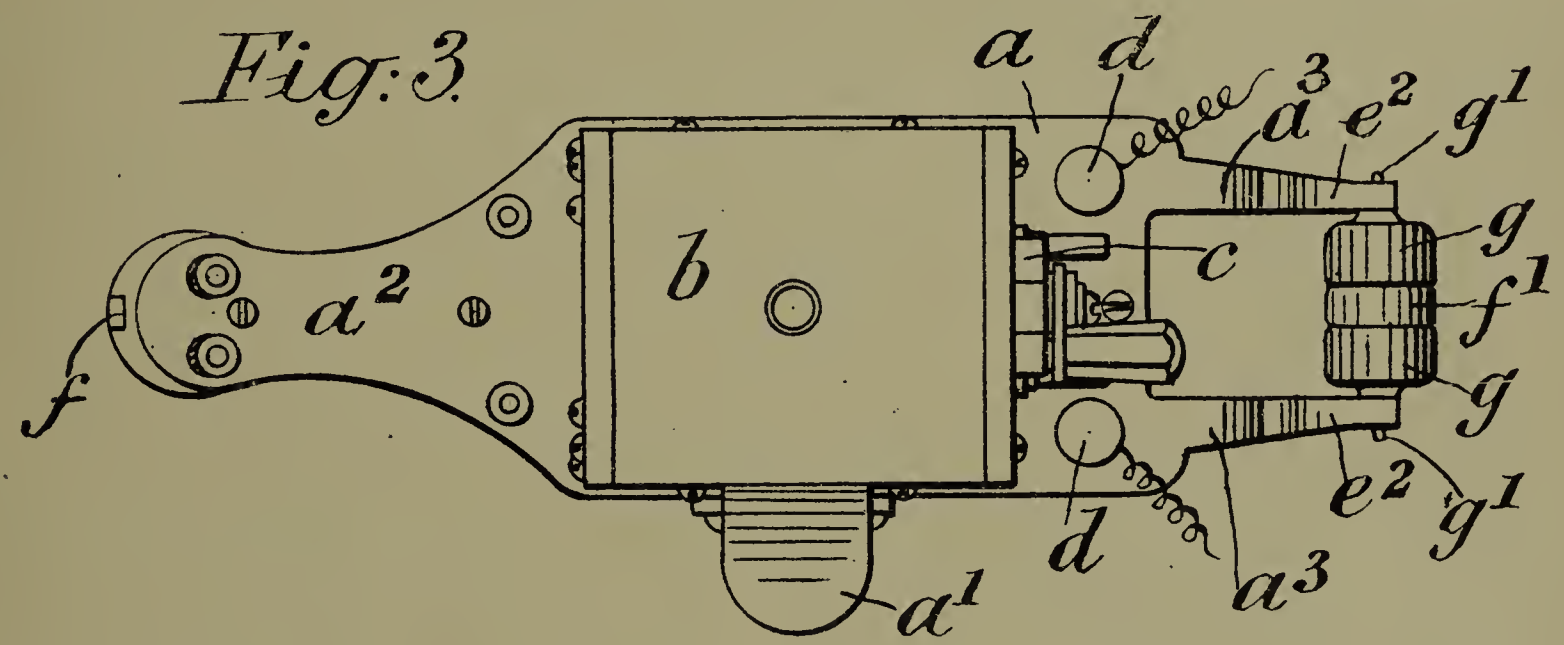


Fig:4.

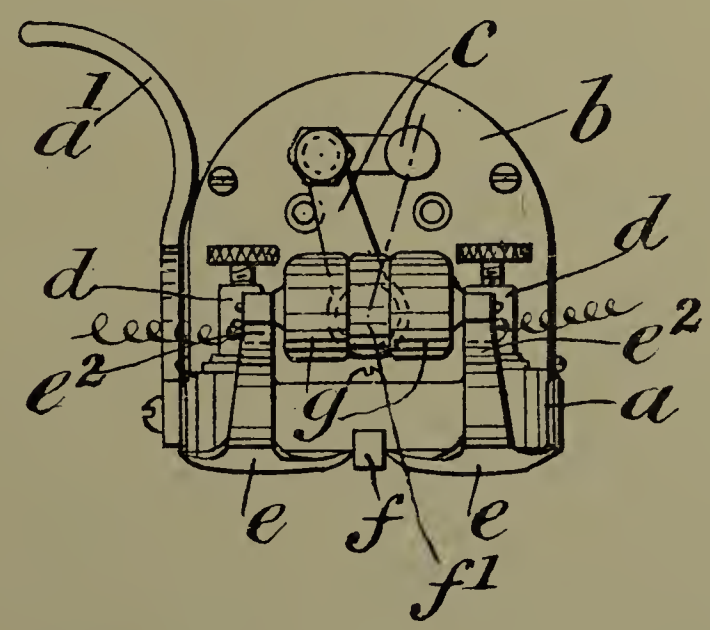
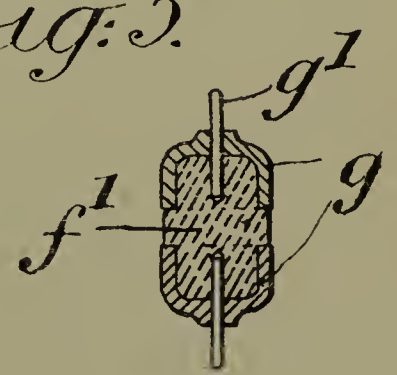


Fig:5.



[This Drawing is a reproduction of the Original on a reduced scale.]

